

Product Texts

34% Renewable Content, Injection Molding, Food Contact Quality

ISO 18064 TPC

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	44	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	165	MPa	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	5	kJ/m ²	ISO 179/1eU
^[C] Stress at 10% elongation	12.3	MPa	ISO 527
^[C] Stress at 100% elongation	13.9	MPa	ISO 527
^[C] Stress at break TPE	37	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	38	%	ISO 815
^[C] Tear strength	132	kN/m	ISO 34-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	196	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-17	°C	ISO 11357-1/-2
^[C] Vicat softening temperature, B	59	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	20	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.03	%	Sim. to ISO 62
^[C] Density	1170	kg/m ³	ISO 1183
Biobased content	34	%	-

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Certifications

Contains renewable resources, Food contact

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)
[Trouble shooting guideline for injection molding](#)